

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mika Gomi et al.
Filed: May 20, 1998
Title: "LIQUID CRYSTAL DISPLAY DEVICE"
Docket No.: 30821US2

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington D.C. 20231

Sir/Madam:

Please amend the application submitted herewith as follows before the examination thereof.

IN THE CLAIMS:

Please delete claims 1-11.

Please add new claims 12-23 as follows:

- 1 12. (new) A liquid crystal display device
- 2 comprising:
- 3 a liquid crystal panel comprising liquid crystal
- 4 cells, a first plate disposed on a displaying side of the
- 5 cells, and a second plate disposed on a reverse side of
- 6 the cells;
- 7 a liquid crystal driver electrically connected with

1 15. (new) The liquid crystal display device
2 according to the claim 12,

3 wherein said second plate has a displaying side
4 facing the liquid crystal cells and an opposite reverse
5 side and said liquid crystal driver is mounted on the
6 display side of the second plate, and

7 said light shielding material comprised a light
8 shielding film affixed to the reverse side of the second
9 plate.

1 16. (new) The liquid crystal display device
2 according to the claim 12,

3 wherein said circuit pattern is formed on a film
4 carrier;

5 said liquid crystal driver is mounted on the film
6 carrier and disposed under the second plated; and

7 said light shielding material comprises a light
8 shielding film affixed on a surface of said liquid
9 crystal driver facing the second plate.

1 17. (new) The liquid crystal display device
2 according to the claim 16,

3 wherein said liquid crystal driver is mounted on a
4 surface of said film carrier facing the second plate;

5 and a surface of said liquid crystal driver opposite

6 the second plate is covered with light shielding resin.

1 18. (new) The liquid crystal display device

2 according to the claim 16,

3 wherein said liquid crystal driver is mounted on a
4 surface of said film carrier opposite the second plate;

5 and a surface of said liquid crystal driver facing
6 the second plate is covered with light shielding resin.

1 19. (new) The liquid crystal display device

2 according to the claim 12,

3 wherein the device is further mounted in a portable
4 telephone terminal.

1 20. (amended) The liquid crystal display device

2 according to the claim 12, further comprising a diffusion
3 sheet located adjacent said liquid crystal display panel,
4 wherein said diffusion sheet is composed of a light

5 diffusing area and a light absorbing area located on the
6 outer periphery thereof, the light diffusing area serving
7 to diffuse illumination light from a light source to the
8 liquid crystal display panel, and the light absorbing
9 area serving to absorb the extraneous light incident on
10 said liquid crystal driver.

1 21. (new) The liquid crystal display device

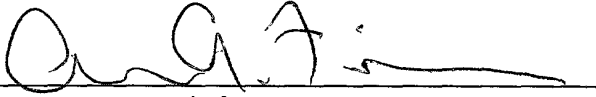
2 according to the claim 12, wherein the first plate has a
3 first transparent electrode, the second plate has a
4 second transparent electrode, and the liquid crystal
5 cells are carried between the first and second
6 transparent electrodes and;
7 the device further comprises a light shielding resin
8 covering an exposed area of the first transparent
9 electrode from the liquid crystal cells so that the light
10 which reflects from said diffusion sheet to reach the
11 liquid crystal is shielded.

1 22. (new) The liquid crystal display device
2 according to the claim 21, wherein said light shielding
3 resin and said light absorbing area of said diffusion
4 sheet are colored in black.

1 23. (new) The liquid crystal display device
2 according to the claim 21, wherein said light shielding
3 resin is colored black.

If there are any additional fees required by the
foregoing Amendment, please charge the same to our Deposit
Account No. 16-0820, our Order No. 30821.

Respectfully submitted,
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